





PAGER

Version 2

M 4.0, 12km SW of Searles Valley, CA

Origin Time: 2019-07-04 17:02:55 UTC (Thu 10:02:55 local) Location: 35.7057° N 117.5058° W Depth: 9.3 km

Estimated Fatalities 65% 10,000 1,000 100,000

and economic losses. There is a low likelihood of casualties and damage.

Created: 16 minutes, 2 seconds after earthquake Green alert for shaking-related fatalities Estimated Economic Losses 65% 10.000 100 1,000 100,000

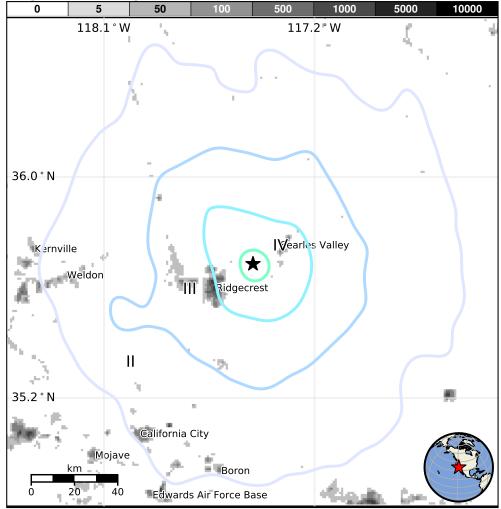
Estimated Population Exposed to Earthquake Shaking

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ESTIMATED POPULATION EXPOSURE (k=x1000)		110k*	57k	11k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty. https://earthquake.usgs.gov/earthquakes/eventpage/ci38443095#pager

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

USD (Millions)

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1991-06-28	169	5.6	VI(1,267k)	1
2003-12-22	322	6.6	VI(8k)	2
1971-02-09	166	6.6	IX(21k)	65

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org					
MMI	City	Population			
IV	Searles Valley	2k			
Ш	Ridgecrest	28k			
Ш	China Lake Acres	2k			
Ш	Inyokern	1k			
II	Weldon	3k			
П	North Edwards	1k			
II	California City	14k			
1	Fort Irwin	9k			
I	Barstow	23k			
1	Tehachapi	14k			
1	Golden Hills	9k			

bold cities appear on map.

(k = x1000)